



Material Content Data Sheet



Sales Product Name		IPD90N03S4L-03		Issued		24. January 2018		
MA#		MA001913360						
Package		PG-TO252-3-11		Weight*		370.70 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.247	0.61	0.61	6061	6061
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	iron	7439-89-6	0.215	0.06		581	
	non noble metal	copper	7440-50-8	215.017	58.01	58.09	580034	580789
	non noble metal	aluminium	7429-90-5	4.706	1.27	1.27	12695	12695
wire	non noble metal	aluminium	7429-90-5	4.706	1.27	1.27	12695	12695
encapsulation	organic material	carbon black	1333-86-4	1.233	0.33		3325	
	plastics	epoxy resin	-	21.571	5.82		58190	
	inorganic material	silicondioxide	60676-86-0	100.458	27.10	33.25	270997	332512
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10089	10089
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	245	246
solder	non noble metal	tin	7440-31-5	0.043	0.01		116	
	noble metal	silver	7440-22-4	0.054	0.01		145	
	non noble metal	lead	7439-92-1	2.056	0.55	0.57	5545	5806
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		16	
	non noble metal	iron	7439-89-6	0.019	0.01		52	
	non noble metal	copper	7440-50-8	19.177	5.17	5.18	51734	51802
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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